

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
9 September 2005 (09.09.2005)

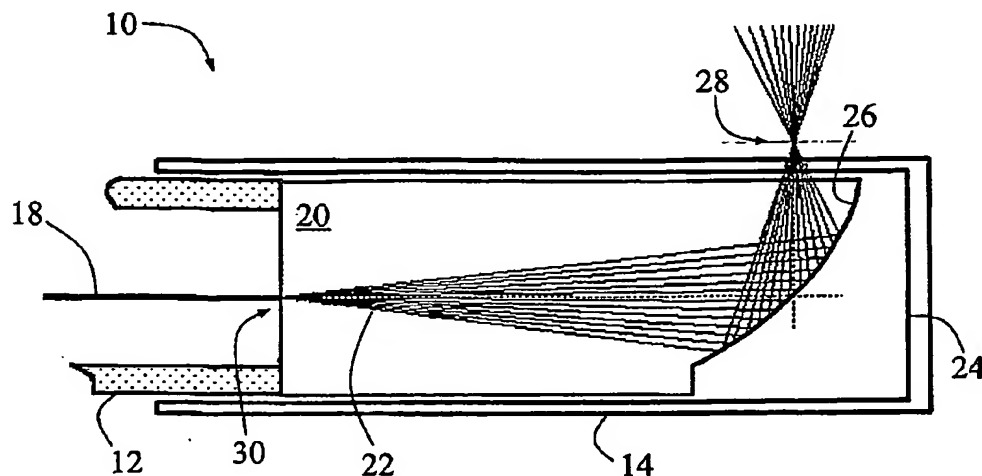
PCT

(10) International Publication Number
WO 2005/082225 A1

- (51) International Patent Classification⁷: **A61B 1/00**, G02B 23/26 (74) Agent: GRIFFITH HACK; Level 3, 509 St Kilda Road, Melbourne, Victoria 3004 (AU).
- (21) International Application Number: PCT/AU2005/000257 (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (22) International Filing Date: 28 February 2005 (28.02.2005)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data: 2004900986 27 February 2004 (27.02.2004) AU
- (71) Applicant (for all designated States except US): OPTIS-CAN PTY LTD [AU/AU]; 15-17 Normbandy Road, Notting Hill, Victoria 3168 (AU).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): HARRIS, Martin, Russell [AU/AU]; 163 Peel Street, Windsor, Victoria 3181 (AU). ROSMAN, Gavin, Edmund [AU/AU]; 13 Davis Street, Camberwell, Victoria 3124 (AU). VANCE, Roderick, William, Charles [AU/AU]; 54 Main Street, Blackburn, Victoria 3130 (AU). ALLEN, John, David [AU/AU]; 24 Alfred Road, Essendon, Victoria 3040 (AU).
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).
- Published:
— with international search report

[Continued on next page]

(54) Title: OPTICAL ELEMENT



(57) Abstract: A microscope, endoscope or optical coherence tomograph, comprising a light source, a flexible light transmitter (18) for receiving and transmitting light from the light source, an optical element (20) with a forward end (30) for receiving the light from the light transmitter (18) and a rear wall (26) having an internal surface for reflecting the light laterally, and an external sleeve (14) enclosing the optical element (20) and transparent to the light in at least a region of the sleeve where the light is directed by the internal surface (26). The internal surface (26) has an optical figure suitable for focussing the light to an observational field (28) external to the sleeve (14). A confocal configuration may be used.

WO 2005/082225 A1



For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.